### PATENT COOPERATION TREATY

## **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

|   | 11 C1 C   |   |                                  |   |  |  |
|---|---|---|----------------------------------|---|--|--|
| PCT4094                                 | gent's file referenc<br>1   |   | IER ACTION                       | See Form PCT/IPEA/416   |  |  |
| International ap                        | plication No.   | International fi  | ling date (day/month/year)       | Priority date (day/month/year)  |  |  |
| PCT/JP2                                 | 2004/0128   | 30.08.  | 2004                             | 10.09.2003  |  |  |
| H04N5/2                                 | 235   | (IPC) or national classification                              |                                  |   |  |  |
| MATSUSI                                 | HITA ELEC   | CTRIC INDUSTRI  | AL CO., LTD.                     |   |  |  |
|   | <ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>                       |   |                                  |   |  |  |
| 2. This R                               | REPORT consists   | of a total of 5   | sheets, includi                  | ng this cover sheet.  |  |  |
| 3. This re                              | eport is also accon   | npanied by ANNEXES, comp                                      | rising:                          |   |  |  |
| a. 🛭                                    | (sent to the d  | applicant and to the Internatio                               | nal Bureau) a total of 23        | sheets, as follows:   |  |  |
|   | sheets  | containing rectifications author                              |                                  | amended and are the basis for this report and/or tule 70.16 and Section 607 of the Administrative |  |  |
|   | Instructions).  sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. |   |                                  |   |  |  |
| ь. [                                    | <del>-</del> 1  | nternational Bureau only) a to                                | otal of (indicate type and numb  | per of electronic carrier(s))   |  |  |
|   |   |   |                                  | , containing a sequence listing and/or tables   |  |  |
|   |   | , in computer readable form of the Administrative Instruction |                                  | lemental Box Relating to Sequence Listing (see  |  |  |
| 4. This re                              | eport contains indi   | cations relating to the followi                               | ng items:                        |   |  |  |
| $\boxtimes$                             | Box No. I   | Basis of the report   |                                  |   |  |  |
|   | Box No. II  | Priority  |                                  |   |  |  |
| $\boxtimes$                             | Box No. III   | Non-establishment of opinion                                  | on with regard to novelty, inver | ntive step and industrial applicability   |  |  |
|   | Box No. IV  | Lack of unity of invention                                    |                                  |   |  |  |
|   | Box No. V   | •   |                                  | velty, inventive step or industrial applicability;  |  |  |
|   | Box No. VI  | Certain documents cited                                       |                                  |   |  |  |
|   | Box No. VII   | Certain defects in the intern                                 | ational application              |   |  |  |
|   | Box No. VIII  | Certain observations on the                                   | international application        |   |  |  |
| Date of submiss                         | sion of the demand  |   | Date of completion of t          | his report  |  |  |
| Dute of submiss                         | non or the contains   | •   | July 01 41 = 7                   |   |  |  |
| Name and mailing address of the IPEA/JP |   | Authorized officer  |                                  |   |  |  |
| Facsimile No.                           |   |   | Telephone No.                    |   |  |  |

International application No.
PCT/JP2004/012886

| Box | No. I   | Basis of the report   |   |  |  |  |  |
|-----|---|---|---|--|--|--|--|
| 1.  |   | d to the language, this report is based on the internation  | nal application in the language in                                    | which it was filed, unless otherwise                             |  |  |  |
|     | This whice  | report is based on translations from the original language is the language of a translation furnished for the purpo | ge into the following language _ oses of:                             |  |  |  |  |
|     | international search (Rule 12.3 and 23.1(b))  |   |   |  |  |  |  |
|     |   | publication of the international application (Rule 12.4)  | )   |  |  |  |  |
|     |   | international preliminary examination (Rule 55.2 and/   | or 55.3)  |  |  |  |  |
| 2.  | With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): |   |   |  |  |  |  |
|     | the in  | nternational application as originally filed/furnished  |   |  |  |  |  |
|     | the d   | lescription:  |   |  |  |  |  |
|     | page  | Refer to the Supplemental Box   |   | as originally filed/furnished                                    |  |  |  |
|     | page  | Refer to the Supplemental Box   | received by this Authority on   | 11.04.2005   |  |  |  |
|     | page  | s*  | received by this Authority on   |  |  |  |  |
|     | the c   | claims:   |   |  |  |  |  |
|     | nos.  | 4-11  |   | as originally filed/furnished                                    |  |  |  |
|     | nos.  | •   | as amended (togethe   | er with any statement) under Article 19                          |  |  |  |
| 1   | nos.  | * 1-3   | received by this Authority on   | 11.04.2005   |  |  |  |
|     | nos.  | *   | received by this Authority on   |  |  |  |  |
|     | M the   | trawings:   |   |  |  |  |  |
|     | shee  |   |   | as originally filed/furnished                                    |  |  |  |
|     | shee  |   | received by this Authority on   | 11.04.2005   |  |  |  |
|     | shee  |   |   |  |  |  |  |
| ļ   |   | quence listing and/or any related table(s) – see Supplem  |   | isting   |  |  |  |
|     |   |   | emai Box Relating to bequeste i                                       | 5.                         |  |  |  |
| 3.  | L The   | amendments have resulted in the cancellation of:  |   |  |  |  |  |
|     |   | the description, pages  | A. III  |  |  |  |  |
| 1   | 님   | the claims, nos.  | · · · · · · · · · · · · · · · · · · ·                                 |  |  |  |  |
|     | 片   | the drawings, sheets/figs   |   |  |  |  |  |
|     | 님   | the sequence listing (specify):   | <u>.</u>  |  |  |  |  |
|     | _ ⊔   | any table(s) related to sequence listing (specify):   |   |  |  |  |  |
| 4.  | This they   | s report has been established as if (some of) the amend<br>have been considered to go beyond the disclosure as fi   | Iments annexed to this report an<br>led, as indicated in the Suppleme | d listed below had not been made, since ntal Box (Rule 70.2(c)). |  |  |  |
|     | 님   | the description, pages  |   |  |  |  |  |
|     | 닏   | the claims, nos.  |   |  |  |  |  |
|     | 닏   | the drawings, sheets/figs   |   |  |  |  |  |
|     | 닏   | the sequence listing (specify):   |   |  |  |  |  |
|     | any table(s) related to sequence listing (specify):   |   |   |  |  |  |  |
| *   | If item 4 a   | applies, some or all of those sheets may be marked "sup   | erseded."   |  |  |  |  |

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| Box No. II  | I Non-establishment of opinio                               | n with regard to novelty, inventive step and industrial applicability  |  |  |  |  |
|---|---|--|--|--|--|--|
| The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of: |   |  |  |  |  |  |
|   | the entire international application                        |  |  |  |  |  |
| $\square$   | claims Nos. 4,11  |  |  |  |  |  |
| hassus.   |   |  |  |  |  |  |
| because   | с.  |  |  |  |  |  |
|   | the said international application, or the said claims Nos. |  |  |  |  |  |
|   | relate to the following subject matter v                    | which does not require an international preliminary examination (specify):   |  |  |  |  |
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|   |   | adicate particular elements below) or said claims Nos.   |  |  |  |  |
| 1   | are so unclear that no meaningful opin                      | non could be formed ( <i>specify</i> ):  |  |  |  |  |
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|   | the claims, or said claims Nos.                             | are so inadequately supported  |  |  |  |  |
|   | by the description that no meaningful                       | opinion could be formed.   |  |  |  |  |
|   | no international search report has been                     | n established for said claims Nos. 4-11  |  |  |  |  |
|   |   | uence listing does not comply with the standard provided for in Annex C of the Administrative  |  |  |  |  |
|   | Instructions in that:                                       |  |  |  |  |  |
|   | the written form  | has not been furnished   |  |  |  |  |
|   |   | does not comply with the standard  |  |  |  |  |
|   | the computer readable form                                  | has not been furnished   |  |  |  |  |
|   |   |  |  |  |  |  |
|   |   | does not comply with the standard  |  |  |  |  |
|   |   | nd/or amino acid sequence listing, if in computer readable form only, do not comply with the Annex C-bis of the Administrative Instructions. |  |  |  |  |
|   | See Supplemental Box for further deta                       | ails.  |  |  |  |  |

International application No.
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| Во | x No. V Reasoned statemen<br>citations and expla | isoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;<br>tions and explanations supporting such statement |     |     |
|----|--|--|-----|-----|
| 1. | Statement  |  |     |     |
| 1  | Novelty (N)                                      | Claims   | 1-3 | YES |
|    |  | Claims   |     | NO  |
|    | Inventive step (IS)                              |  | 1-3 | YES |
|    |  | Claims   |     | NO  |
| 3  | Industrial applicability (IA)                    |  | 1-3 | YES |
|    |  | Claims   |     | NO  |
| l  |  |  |     |     |

- 2. Citations and explanations (Rule 70.7)
  - Document 1: JP 6-276444 A (Toshiba Corp.), 30 September 1994, entire text and fig. 1 to 5
  - Document 2: JP 6-261255 A (Toshiba Corp.), 16 September 1994, entire text and fig. 1 to 4
  - Document 3: JP 10-336516 A (Toshiba Corp.), 18 December 1998, entire text and fig. 1 to 6

The inventions that are set forth in claims 1 to 3 are not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box I

With regard to the **elements** of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)

The description:

pages <u>1-3, 5-8, 10-12, 14-16, 20-23, 25, 27, 28, 31, 32, 34, 36, 37, 39 and 44</u> as originally filed/furnished

pages 4, 4/1, 9, 13, 17-19, 24, 26, 29, 30, 33, 35, 38 and 40-43 as received by this authority on 11 April 2005